



D0 Status Report

4/4/2005

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Data Taking for 3/28 – 4/3

Day	Delivered	Recorded	Eff.	Comments
3/28 (Mon)	3.365 pb ⁻¹	3.079 pb ⁻¹	91.5 %	2 nd best in recorded lum
3/29 (Tue)	3.098 pb ⁻¹	2.826 pb ⁻¹	91.2 %	9 th best in recorded lum
3/30 (Wed)	1.188 pb ⁻¹	1.111 pb ⁻¹	93.6 %	Controlled access Store 4065 lost due to t-storm Updated status concentrator
3/31 (Thu)	0.330 pb ⁻¹	0.304 pb ⁻¹	92.0 %	
4/1 (Fri)	2.175 pb ⁻¹	1.901 pb ⁻¹	87.4 %	Luminosity drop due to longitudinal dumper problem Took Silicon L0 special run
4/2 (Sat)	2.037 pb ⁻¹	1.781 pb ⁻¹	87.5 %	Tev RF problem, Muon crate hung, SMT HV trip, BLS trip
4/3 (Sun)	2.913 pb ⁻¹	2.729 pb ⁻¹	93.7 %	

3/28 – 4/3	15.105pb ⁻¹	13.732pb ⁻¹	90.9 %	4 th best in recorded lum
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Controlled Access on 3/30

- Helium leak from a lead for the Solenoid control dewar sealed.
- A Muon pixel front-end card replaced.
- A Muon PDT front-end board and a control board replaced.
- Updated Sequencer firmware for Layer 0 readout.
- A Calorimeter pulser supply, and two daughter cards replaced.



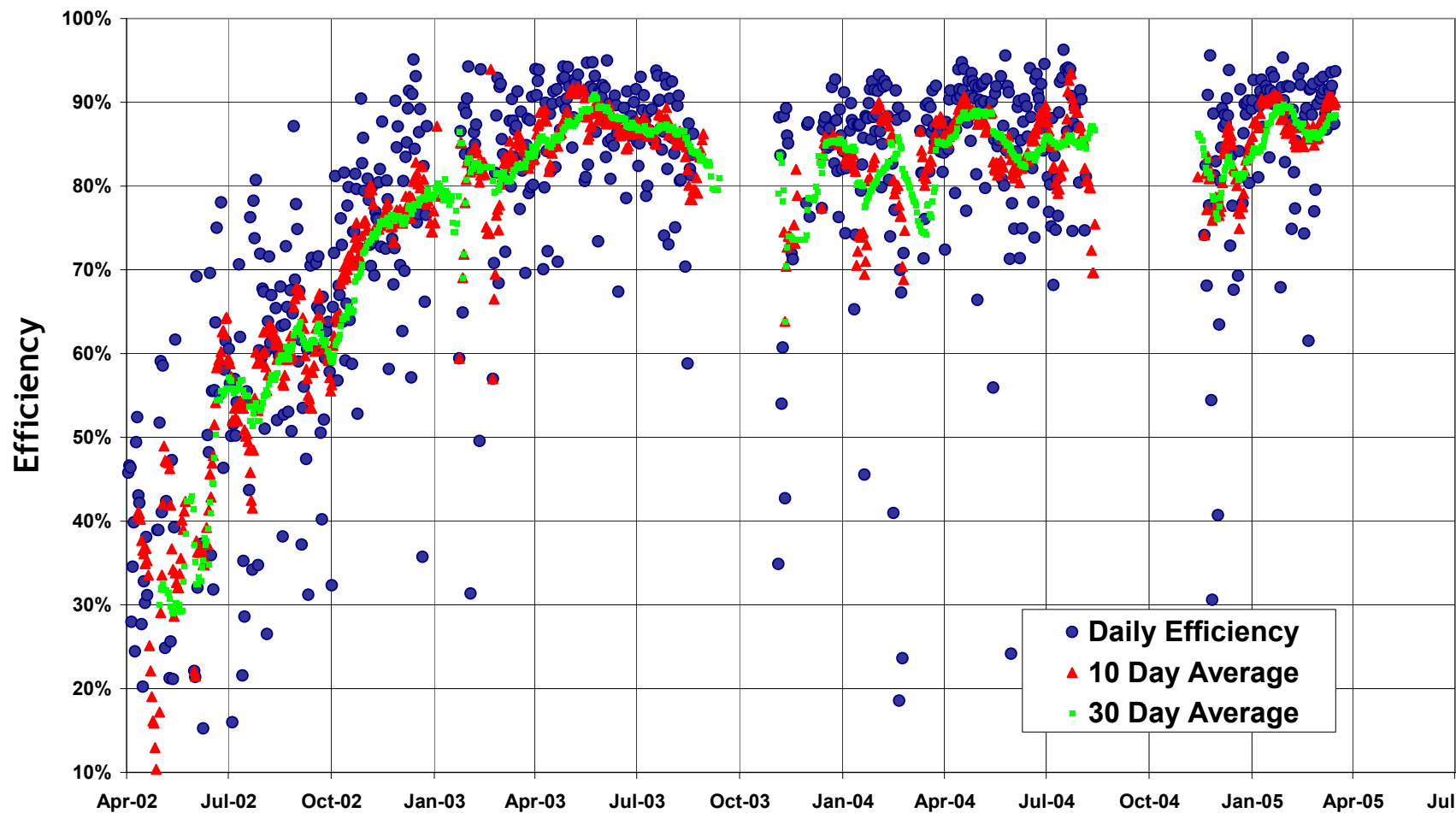
Notable events of the week

- Updated an SCL status concentrator card.
 - This should reduce dead time due to Front-end busy.
- Took a Run IIb Layer 0 special run.
 - Firmware updated to read both SVX2 and SVX4.
 - There are still some issues with SVX4 readout.
- Run IIb L1Cal group performed tests with the new commissioning trigger between stores 4072 and 4073.
- Lost one muon PDT Front-end board each at the beginning of store 4072 and 4073.
 - Beam loss during the squeeze is still an issue.
- Found a small water leak in the Toroid water supply.
 - Due to a pinhole in a weld.
 - 3 hours of work between stores during day time.



Daily Data Taking Efficiency

19 April 2002 - 3 April 2005



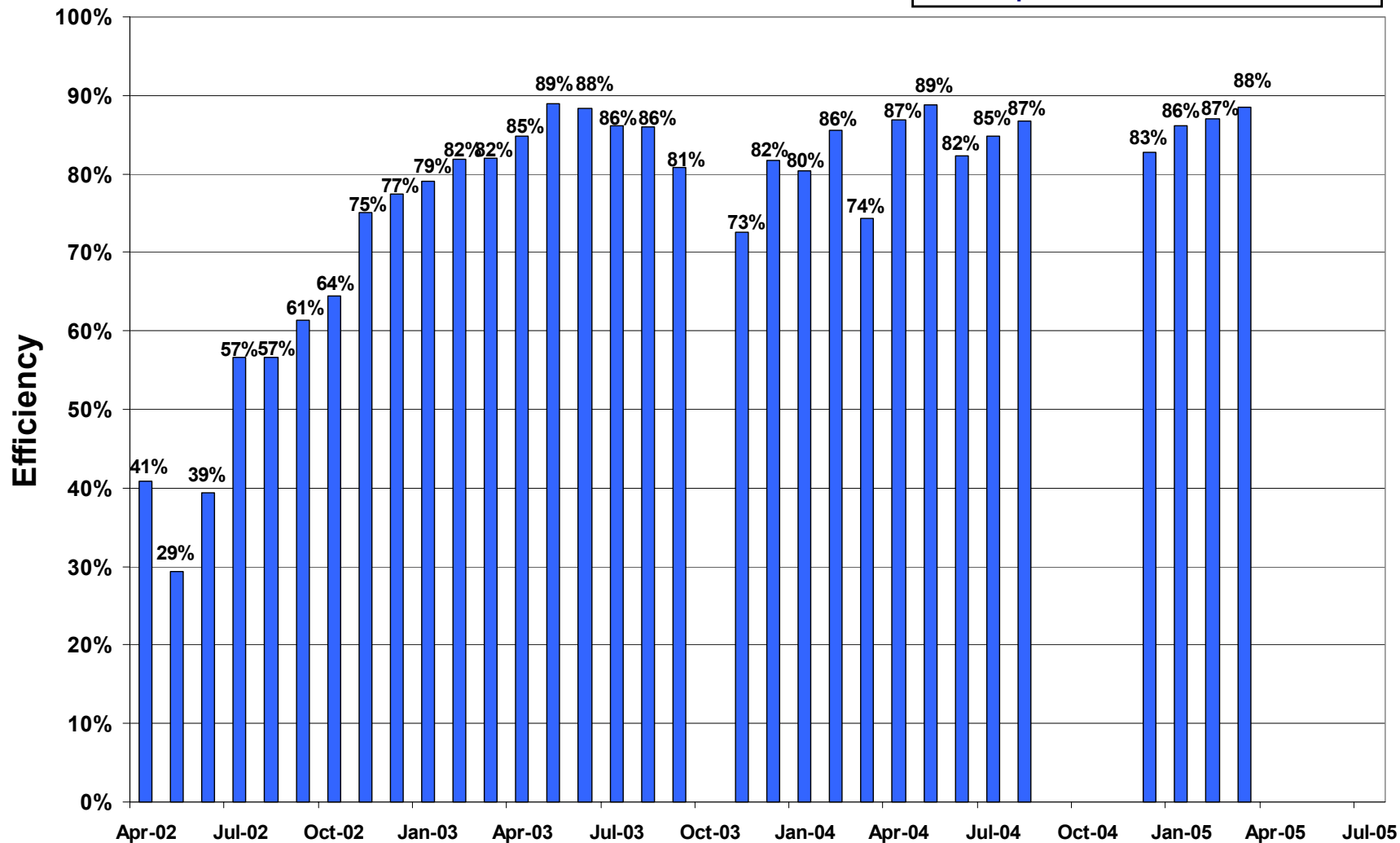
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Monthly Data Taking Efficiency

19 April 2002 - 31 March 2005



4 Apr 2005

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Summary

- We ran reasonably well.
 - Efficiency was 90.9 %.
 - Working on reducing Front-end Busy.
- Recorded luminosity (3.08 pb^{-1}) on 3/28 (Mon) was the 2nd best in Run II.
- Recorded Luminosity (13.7 pb^{-1}) on 3/25–4/3 was the 4th best in Run II.
- March was also a record month. We recorded 57.4 pb^{-1} of data.
- Beam loss at the squeeze is still an issue.
 - Lost one Front-end Board for muon PDT each at the beginning of store 4072 and 4073.